

6 receiving user query information, wherein receiving includes processing data entered on a
7 query form stored on the wireless device, and wherein the user query information specifies requested
8 network data;

9 sending a compressed transport protocol (CTP) query to a proxy server, wherein the CTP
10 query is converted to a hypertext transfer protocol (HTTP) query by the proxy server;

11 receiving a CTP response from the proxy server, wherein the CTP response is generated from
12 an HTTP response by the proxy server; and

13 displaying requested network data on the wireless device, wherein the requested network data
14 comprises data from the Internet web site.

18. (New) The method of claim 17, further comprising:

displaying a list of wireless applications on the wireless device;

receiving a user selection of a wireless application; and

in response to the user selection, displaying a query form.

19. (New) The method of claim 17, wherein displaying the requested network data

comprises:

fetching compact markup language (CML) content from the proxy server; and

rendering the CML content for display on the wireless device.

20. (New) The method of claim 17, further comprising sending and receiving arbitrary

length messages between the wireless device and the network using a reliable message protocol

(RMP) that sends messages in a single packet that can be reconstructed on receipt.

1 21. (New) The method of claim 20, wherein delivery of packets is not guaranteed, and
2 wherein RMP includes a mechanism for retransmission of packets.

1 22. (New) A system for wireless communication between a wireless device and a

2 network, comprising:

3 at least one network computer;

4 at least one server coupled to the at least one network computer; and

5 a wireless device comprising:

6 a display, and

7 a storage device that stores a plurality of software, including,

8 a plurality of wireless applications, each of which is for accessing an Internet

9 web site; and

10 software for converting data to a compressed transport protocol (CTP),

11 wherein the data comprises hypertext transfer protocol (HTTP) queries sent to the server and HTTP

12 responses received from the server.

1 23. (New) The system of claim 22, wherein the plurality of software stored is further for:

2 receiving user query information, wherein receiving includes processing data entered on a

3 query form stored on the wireless device, and wherein the user query information specifies requested

4 network data; and

5 displaying requested network data on the wireless device, wherein the requested network data

6 comprises data from the Internet web site.

1 24. (New) The method of claim 22, wherein the plurality of software stored is further for:
2 displaying a list of wireless applications on the wireless device;
3 receiving a user selection of a wireless application; and
4 in response to the user selection, displaying a query form.

1 25. (New) The method of claim 23, wherein displaying the requested network data
2 comprises:
3 fetching compact markup language (CML) content from the proxy server; and
4 rendering the CML content for display on the wireless device.

1 26. (New) The method of claim 22, wherein the plurality of software stored is further for
2 sending and receiving arbitrary length messages between the wireless device and the network using a
3 reliable message protocol (RMP) that sends messages in a single packet that can be reconstructed on
4 receipt.

1 27. (New) The method of claim 26, wherein delivery of packets is not guaranteed, and
2 wherein RMP includes a mechanism for retransmission of packets.

~~Sub~~
~~1 2~~
~~2 D2~~ 28. (New) An electromagnetic medium in a wireless device containing executable
1 instructions which, when executed in a the wireless device cause the wireless device to:
2 store a wireless application on the wireless device, including loading the wireless application
3 to the wireless device from a network, wherein the wireless application includes software for
4 accessing an Internet web site;

6 receive user query information, wherein receiving includes processing data entered on a
7 query form stored on the wireless device, and wherein the user query information specifies requested
8 network data;
9 send a compressed transport protocol (CTP) query to a proxy server, wherein the CTP query
10 is converted to a hypertext transfer protocol (HTTP) query by the proxy server;
11 receive a CTP response from the proxy server, wherein the CTP response is generated from
12 an HTTP response by the proxy server; and
13 display requested network data on the wireless device, wherein the requested network data
14 comprises data from the Internet web site.

29. (New) The method of claim 28, wherein the executable instructions, when executed
1 in a the wireless device, further cause the wireless device to:
2 display a list of wireless applications on the wireless device;
3 receive a user selection of a wireless application; and
4 in response to the user selection, display a query form.

30. (New) The method of claim 28, wherein displaying the requested network data
1 comprises:
2 fetching compact markup language (CML) content from the proxy server; and
3 rendering the CML content for display on the wireless device.

31. (New) The method of claim 28, wherein the executable instructions, when executed
1 in a the wireless device, further cause the wireless device to send and receive arbitrary length